Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Sunday 17 Sep 2023 until 23:59 on Monday 18 Sep 2023

Forecast Issued on Sunday 17 Sep 2023 at 00:51

Confidence: High for the unsettled theme on Sunday, but only Moderate for the timing of heaviest rain. High again for more persistent rain Monday clearing to sunshine and showers later that day. Moderate for the persistent rain and strong winds Tuesday and into Wednesday, but confidence then becoming Low for any details Thursday onward.

Headline for Sunday 17 Sep 2023: Cloudy with any early rain easing. Further rain, heavy and perhaps thundery, spreading north later in the day.

Mountain weather hazards on Sunday 17 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Cloudy	Cloudy	Light rain	Heavy Rain
Precipitation probability					
20%	20%	20%	30%	70%	70%

Forecast for Sunday 17 Sep 2023

Weather: Outbreaks of drizzle clearing north during the morning, with some drier intervals possible for a time. Further heavy, perhaps thundery showers then spreading north from mid-afternoon onwards, with a risk of hail and gusty winds.

Chance of cloud-free hill tops above 600m: 30% becoming 90%, falling again to 30% during the evening.

Low cloud and visibility: Widespread cloud obscuring tops above 400-500m at first, with some patches of cloud down to 300m in the east. Cloud lifting through the day, to be largely above summits by early afternoon. Further widespread low cloud spreading north during the evening, obscuring summits above 400m. Good visibility likely outside of cloud, but falling to poor at times during heavy rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Sunday 17 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/26 E	21/28 E	22/29 E	22/29 E	21/29 E	18/25 E	17/23 SE
300	14/23 E	14/24 E	15/22 E	14/20 E	15/24 E	14/23 E	13/20 SE
Valley	15/30 E	16/28 E	15/26 E	14/26 E	14/28 E	12/25 E	8/19 SE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/8	11/8	13/9	14/10	13/9	13/10	13/10
300	13/11	14/12	16/14	17/14	16/13	15/13	16/14
Valley	14/11	15/12	17/14	18/15	16/14	15/13	16/15
Freezing Level*	3000m	3000m	2900m	2900m	3000m	3100m	2900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Weather could quickly deteriorate with thunderstorms, particularly this afternoon, with it being difficult to spot approaching storms due to extensive cloud cover.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Sun 17 Sep 2023	0mm	0mm	0mm

Forecast for Monday 18 Sep 2023

Weather: Heavy showers and thunderstorms during the early hours will clear for a time, however a band of heavy rain is then forecast to spread east late morning. This could again be thundery, but soon clearing to sunny spells during the afternoon. Further showers also following, heavy at times and with a further chance of isolated thunder, but moving quickly through on the strong westerly breeze.

Maximum wind: Westerly 25-30mph with 35-40 mph gusts

Chance of cloud-free hill tops above 600m: 20% during the morning, rising to 90%.

Low cloud and visibility: Widespread base 300-400m at first, lifting during the morning to clear summits by early afternoon. Moderate to poor visibility during the morning, especially with rain, but improving to be very good later in the day, especially away from any showers which will briefly limit views of distant hills.

Temperature: **Valleys:** Plus 14 Celsius
At 600m: Plus 12 falling to Plus 7 Celsius.
Freezing level: Above summits.

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